



County of Fairfax, Virginia

---

# Reston Comprehensive Plan

September 14, 2020

Task Force Meeting

Transportation

John King

Transportation Planner



## Agenda for Tonight

- FCDOT Reston activities since 2014
- Ongoing communication and current studies
- Major capital project updates
- Listening session



## FCDOT Reston Activities since 2014

- Reston Master Plan Adoption 2014 (Phase 1)
- Reston Network Analysis
- Hunter Mill Road Study
- Reston Transportation Funding Plan



# Reston Master Plan, Phase I (2010-2014)

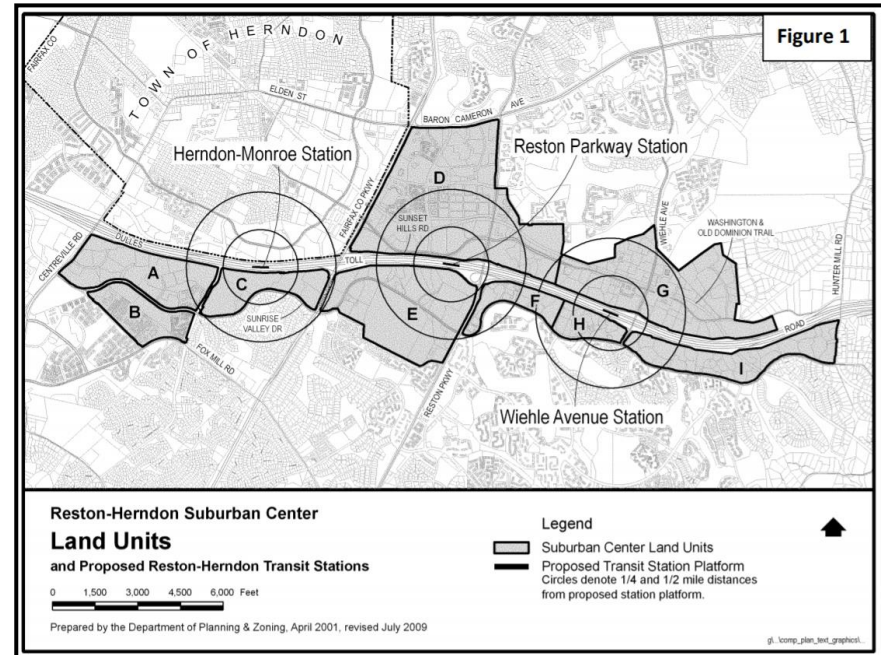
- Land use change reduced commercial (primarily office) and increased housing





# Reston Master Plan, Phase I

- Existing pattern of low to medium density office parks
  - Suburban Center was redefined as three separate but contiguous Transit Station Areas (TSAs)



-Traffic Impact Analysis reviewed by Virginia Department of Transportation (VDOT)

Staff Report: [https://www.fairfaxcounty.gov/planning-development/sites/planning-development/files/assets/documents/compplanamend/restonphase1/staff%20report%20\(st09-iii-up1\(a\)\).pdf](https://www.fairfaxcounty.gov/planning-development/sites/planning-development/files/assets/documents/compplanamend/restonphase1/staff%20report%20(st09-iii-up1(a)).pdf)



## Reston Master Plan, Phase I

- Transportation Recommendations
  - Balance land use and transportation
  - Pedestrian mobility throughout the TSAs
  - Fairfax Connector service to support rail
  - Transportation Demand Management (TDM) program in the TSAs
  - Multimodal street grid network and connectivity
  - Specific infrastructure projects



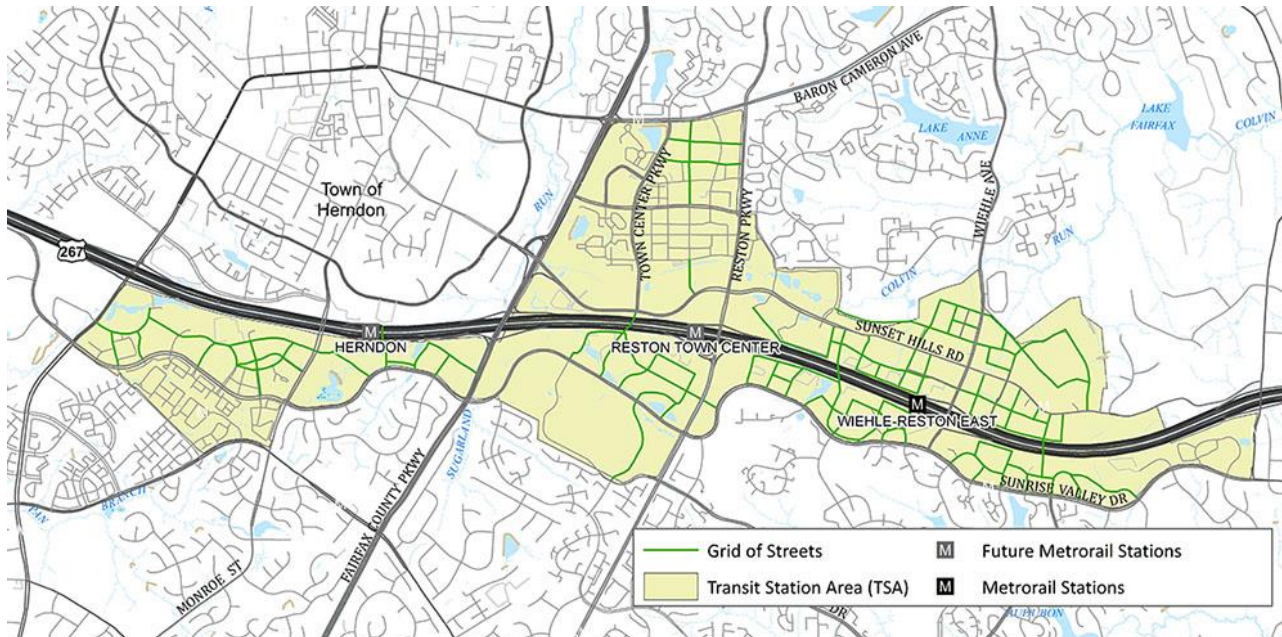


# Reston Master Plan, Phase I





# Reston Network Analysis (2016-2018)



- Evaluated the conceptual grids of streets and road elements

Reston Network Analysis Website: <https://www.fairfaxcounty.gov/transportation/study/reston-network-analysis>





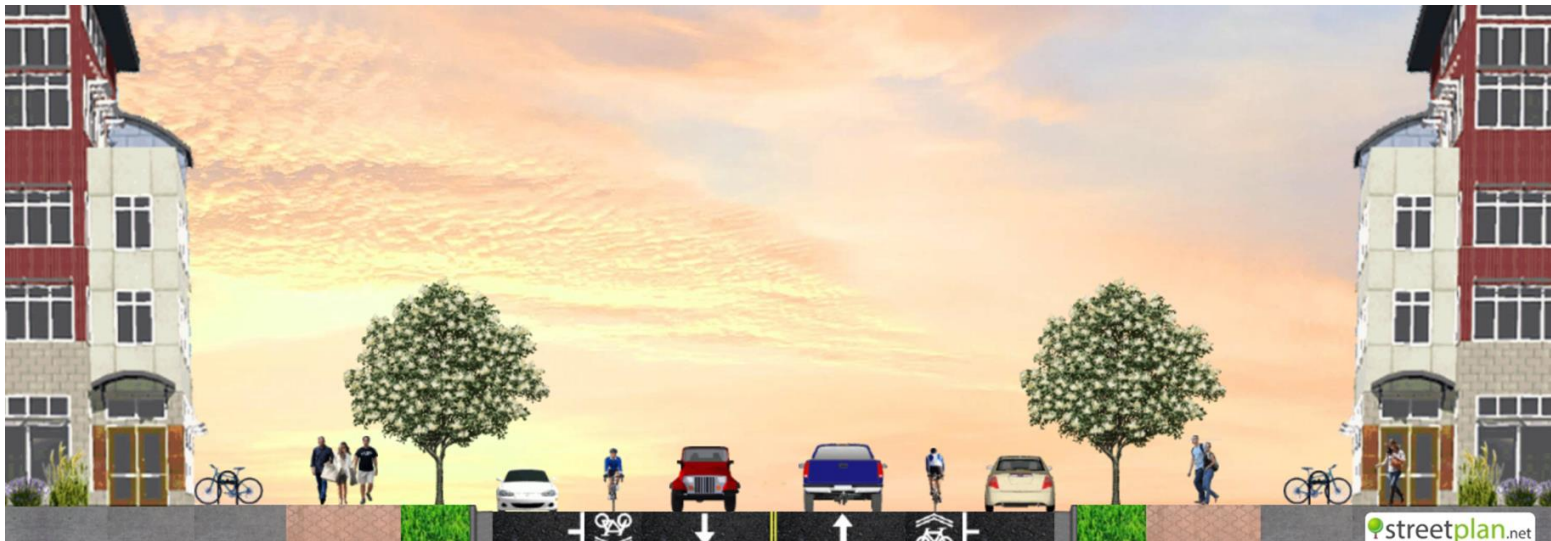
## Reston Network Analysis

- Included in the results are
  - General priorities for transportation projects
  - Cross sections for streets within the grid
  - Intersection improvements for problem locations
  - Cost estimates
- A network of streets in the station areas that are
  - Cost effective
  - Require minimum right-of-way
  - Minimize negative impacts to adjacent properties and to the environment
  - Facilitate placemaking



## Reston Network Analysis

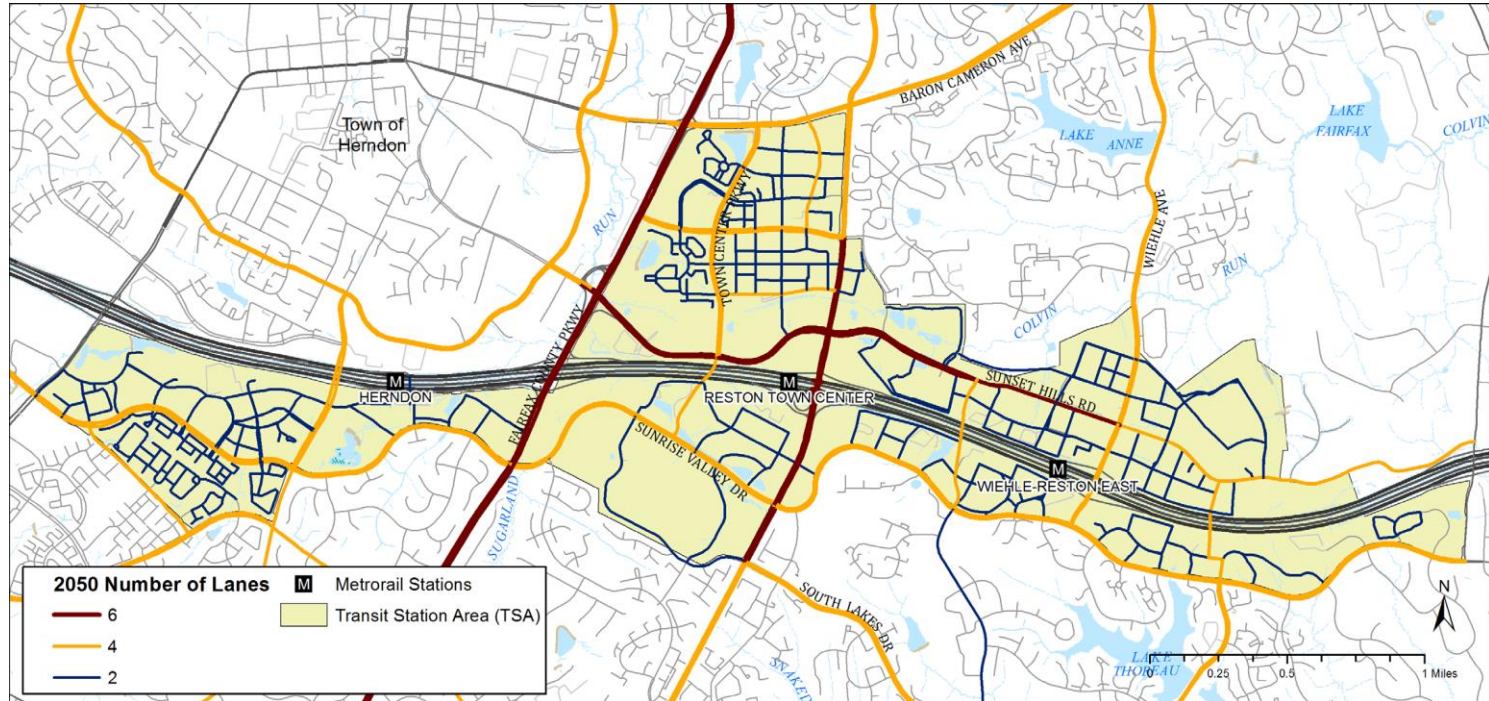
- Effort resulted in a refined transportation network concept to support future needs
  - Walkable grid of streets



*Example 2-lane cross section for a Reston area grid street*



# Reston Network Analysis

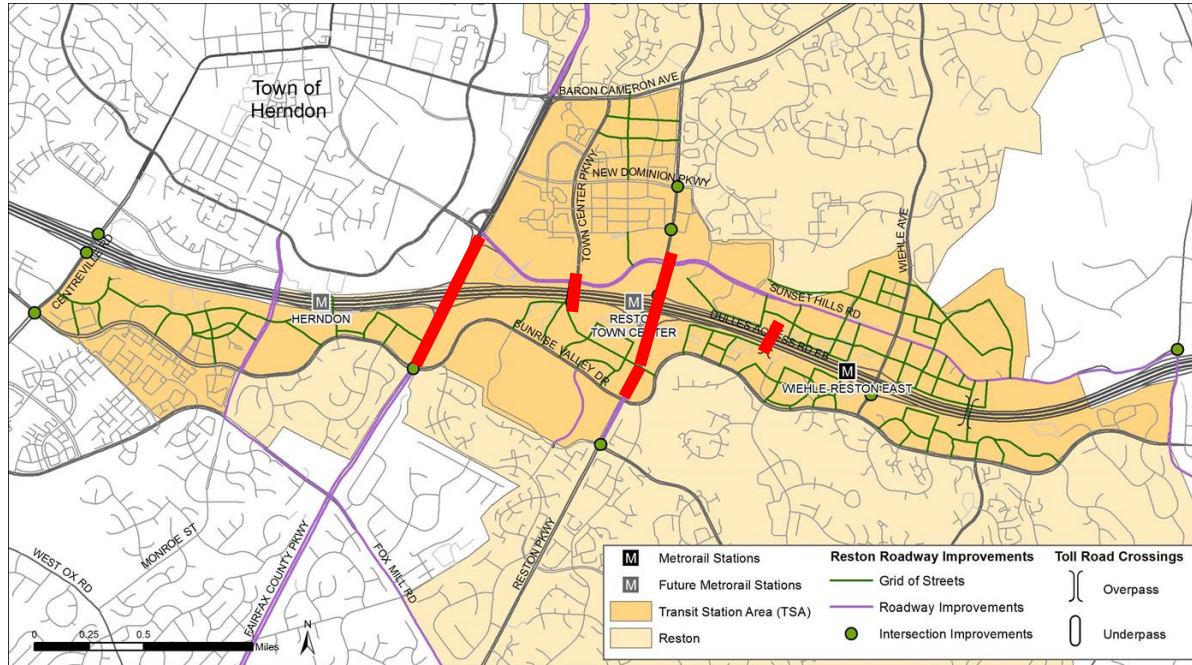


- Most grid streets can remain two lanes
- Prioritization of improvements
- Estimated costs of improvements





# Reston Network Analysis



- Priority Roadway Projects
  - Soapstone Connector
  - Town Center Underpass
  - Improving Reston Parkway
  - Improving Fairfax County Parkway
    - Including improving FCP and Sunrise Valley Drive





## Hunter Mill Road Study (2014-2021)

- Addresses recurring congestion on Hunter Mill Road from Sunrise Valley Drive to the Colvin Run Bridge



Hunter Mill Road Study Website: <https://www.fairfaxcounty.gov/transportation/study/hunter-mill>



# Reston Transportation Funding Plan (2017-Ongoing)

- The funding plan is monitored and reviewed annually to respond to areas of growth and change within the Reston TSAs
  - Total Project Cost Estimates: \$2.27B
    - Major Roadways: \$1.2B
    - Intersections: \$50M
    - Grid of Streets: \$1.02B



# Reston Transportation Funding Plan (2017-Ongoing)

Soapstone Road Extension (DTR Overpass)	\$170,000,000
Town Center Parkway Extension (DTR Underpass)	\$170,000,000
Reston Parkway Widening (South Lakes Drive to DTR)	\$25,000,000
Fairfax County Parkway HOV (DTR to West Ox Widening)	\$80,000,000
Fairfax County Parkway at Sunrise Valley Dr Interchange	\$400,000,000
South Lakes Drive Extension (DTR Overpass)	\$90,000,000
Fox Mill Road Widening (Reston Parkway to Monroe Street)	\$60,000,000
West Ox Road Widening (Lawyers Road to Centreville Road)	\$100,000,000
Monroe Street Widening (West Ox Road to Town of Herndon)	\$80,000,000
Pinecrest Road Extension (South Lakes Drive to Sunrise Valley Drive)	\$25,000,000
<b>Total</b>	<b>\$1,200,000,000</b>



# Clarifying Questions





# Ongoing Communication and Current Studies

- Reston Transportation Service District Advisory Board
- Reston PRC Zoning Amendment Transportation Work Session (Reston Association)
- Fairfax County & Franconia-Springfield Parkways Alternatives Analysis and Long-term Planning Study
- Wiehle Avenue Crossing at Dulles Toll Road
- ActiveFairfax Transportation Plan (Bicycle and Trails plan update)
- Reston Monitoring



## Reston Transportation Service District Advisory Board

- Reston Transportation Service District, and the Reston Transportation Service District Advisory Board created in 2017
- The advisory board works with County staff on transportation project priorities for projects funded within the service district

Reston Transportation Service District Website: <https://www.fairfaxcounty.gov/transportation/reston-transportation-advisory-board>



County of Fairfax, Virginia

# Reston PRC Zoning Amendment Transportation Work Session



Reston PRC Zoning Amendment Work Session: **Transportation** - July 17, 2018



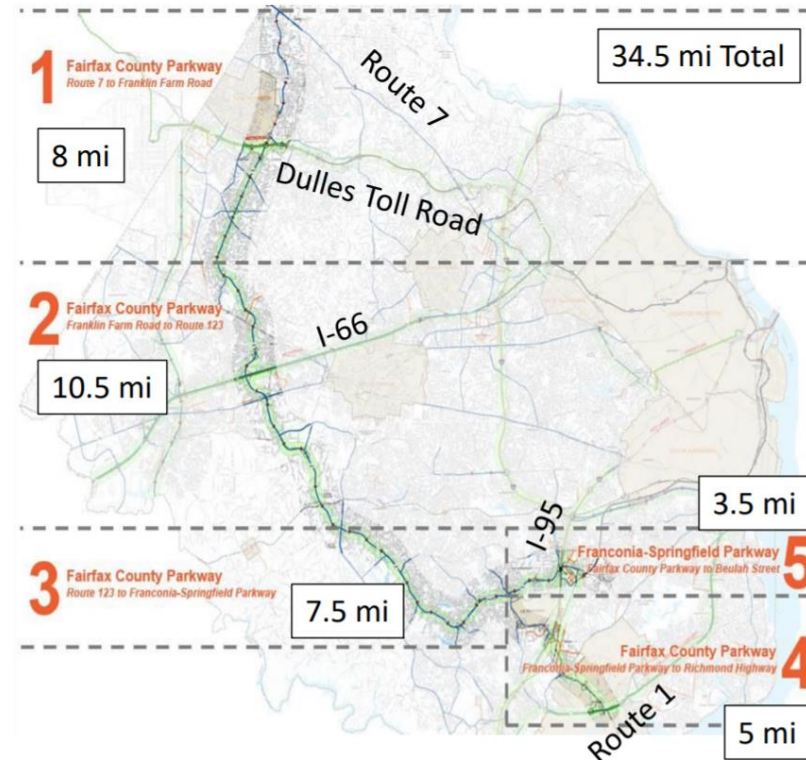
Watch online: <https://youtu.be/CoDB86AEefc>

Department of Transportation



# Parkways Planning Study

- Evaluating and potentially modifying existing Comp Plan recommendations for 30+ miles, from Route 7 to Route 1



Parkways Planning Study Website: <https://www.fairfaxcounty.gov/transportation/study/fairfax-county-parkway>





# Wiehle Avenue Crossing at Dulles Toll Road

- Pedestrian crossing of Wiehle Avenue near the Wiehle-Reston East Metrorail Station





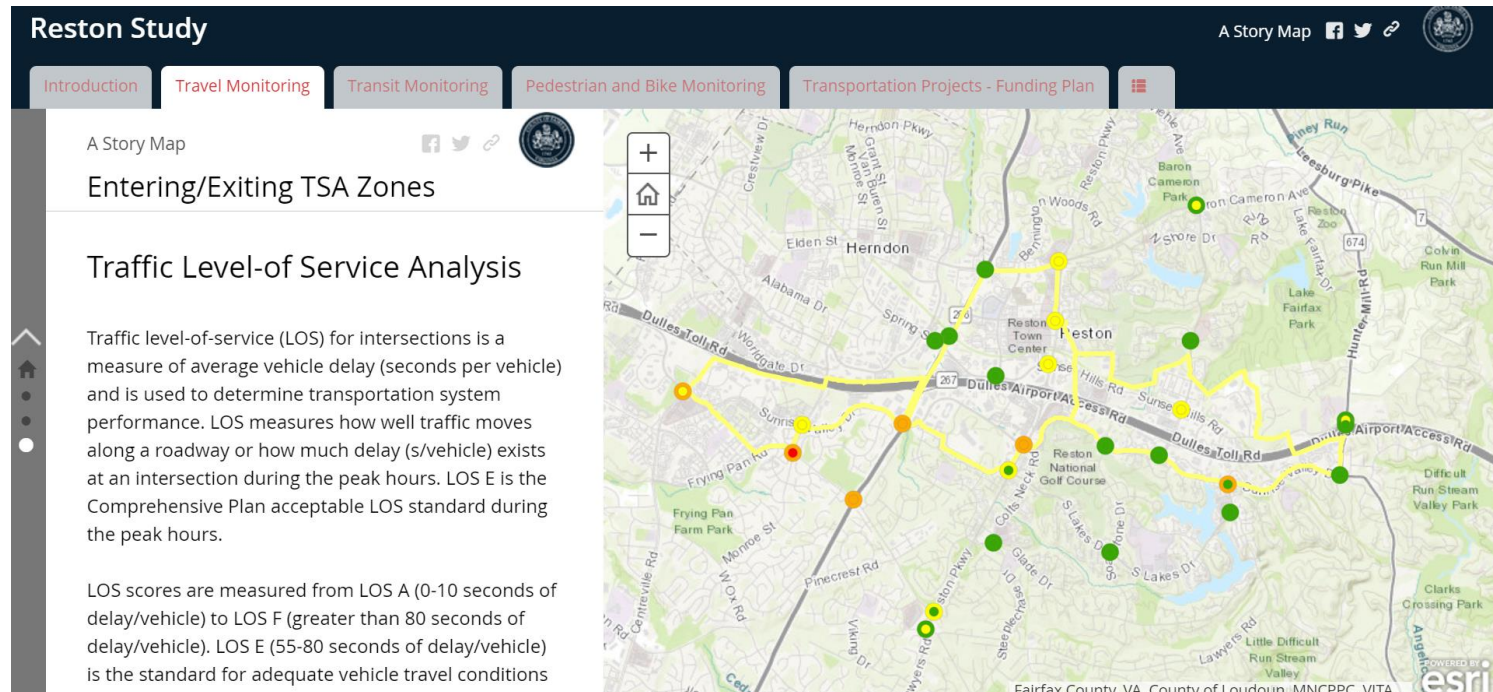
# ActiveFairfax Transportation Plan

- Fairfax County Bicycle Master Plan and Countywide Trails Plan Update





# Reston Monitoring



- Data collection began in Fall of 2019
- Initial reporting to begin in 2020 and to be updated regularly





## Major Capital Project Updates

- Dulles Rail Silver Line Phase 2
- W&OD Trail over Wiehle Avenue
- Herndon-Reston Bus Service Review
- Soapstone Connector
- Town Center Parkway Underpass
- Fairfax County Parkway at Sunrise Valley Drive
- Reston Metrorail Access Group (RMAG)
- Herndon Metrorail Stations Access Management Study (HMSAMS)



# Dulles Rail Silver Line Phase 2



Dulles Corridor Metrorail Project: <http://www.dullesmetro.com/silver-line-stations/>





## W&OD Trail over Wiehle Avenue



- Pedestrian bridge to improve vehicle, bicycle and pedestrian access near the Wiehle-Reston East Metrorail Station

Wiehle Avenue at the W&OD Trail Pedestrian Improvement Project:  
<https://www.fairfaxcounty.gov/transportation/projects/wiehle-wod-trail>



# Herndon-Reston Bus Service Review

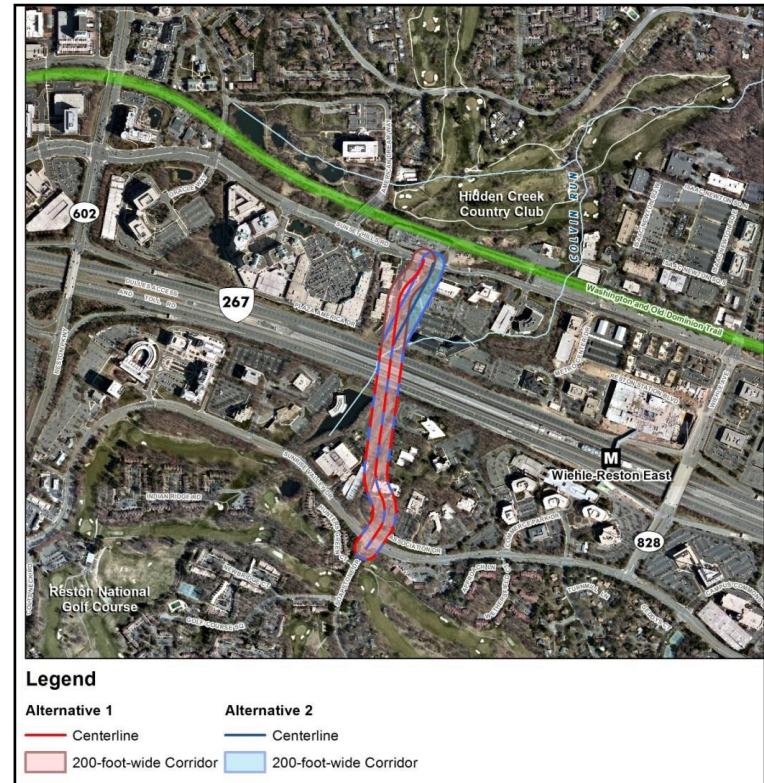


Herndon-Reston Bus Service Review: <https://www.fairfaxcounty.gov/connector/herndon-reston-service-review>



## Soapstone Connector

- Extend Soapstone Drive from Sunrise Valley Drive over the Dulles Toll Road to Sunset Hills Road
  - Completing environmental document



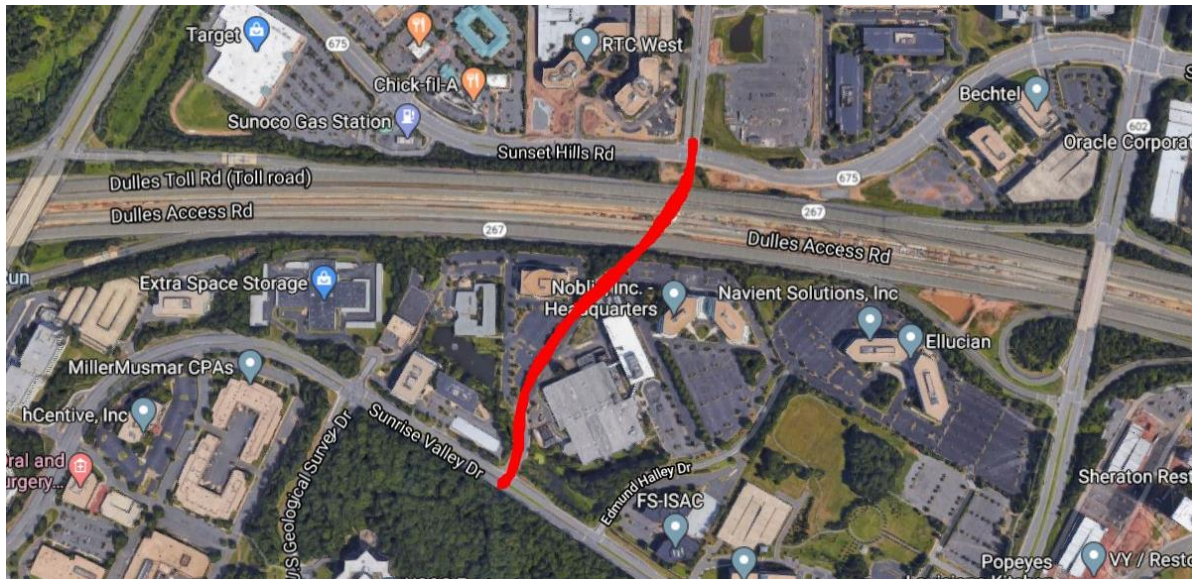
Soapstone Connector: <https://www.fairfaxcounty.gov/transportation/projects/soapstone-connector>





## Town Center Parkway Underpass

- Extend Town Center Parkway from Sunset Hills Road to Sunrise Valley Drive west of Edmund Halley Drive





# Fairfax County Parkway at Sunrise Valley Dr



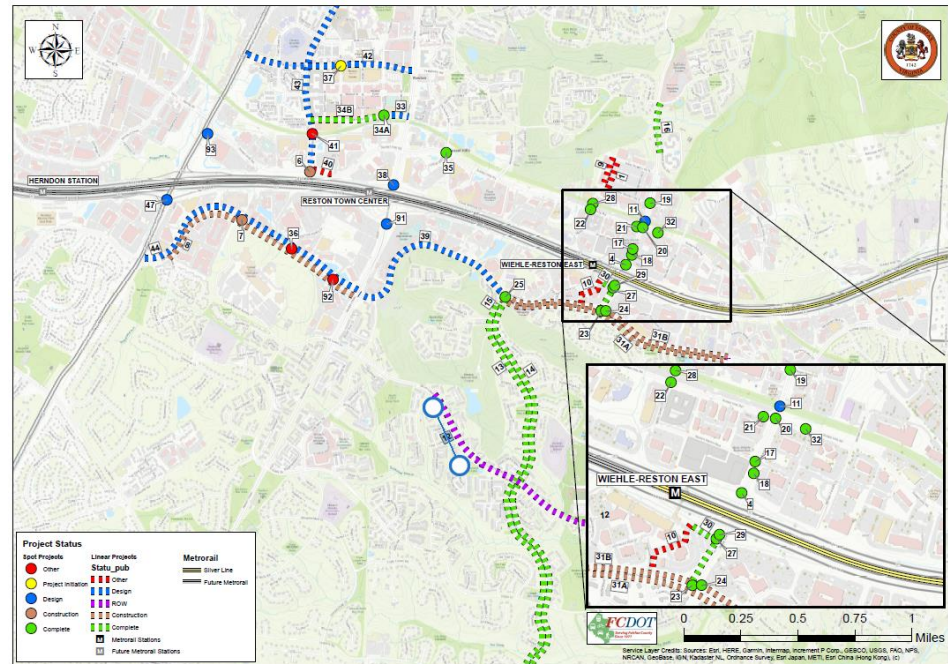
- Interim improvement to relieve congestion on the westbound approach on Sunrise Valley Dr.





# Reston Metrorail Access Group (RMAG)

- 22 projects completed
- 16 projects underway
  - 9 scheduled for completion in the next year

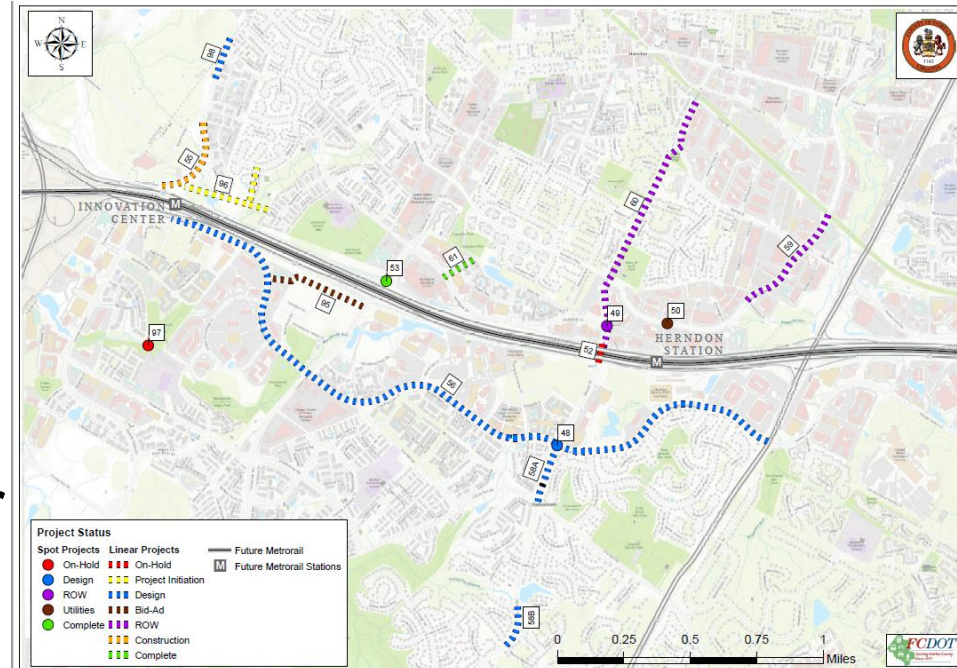


RMAG Improvement Projects: <https://www.fairfaxcounty.gov/transportation/projects/silver-line/restonimp>



# Herndon Metrorail Stations Access Management Study (HMSAMS)

- 2 projects completed
- 12 projects underway
  - 10 scheduled for completion in the next year



HMSAMS Improvement Projects: <https://www.fairfaxcounty.gov/transportation/projects/silver-line/herndonimp>



# Funding Transportation in Reston



Funding Plan Projects	Revenue Source	Public or Private Source	Amount	Percent of Plan
Major Roadway Improvements	Fed/State/Regional/Local Funds	Public	\$1,201,704,275	53.00%
Grid of Streets	Developer Construction	Private	\$716,000,000	31.60%
Grid of Streets	Reston Road Fund	Private	\$211,000,000	9.30%
Intersections/Grid of Streets	Service District	Private	\$139,895,725	6.10%
<b>Total</b>			<b>\$2,268,600,000</b>	<b>100%</b>



Thank you

We want to hear from you